**JAZZ LECTURE**
A lecture on jazz trends will be held at 7:00 p.m. on November 15 in Harrick Lounge at Occidental College. The panel will include the West Coast Editor of Down Beat and the president of Pacific Jazz, among others. The lecture is free.

**POPULATION CONTROL**
A seminar on population control will be held at 7:30 p.m. in Winnetka Clubroom No. 1 on November 9. Dr. Alan Sweezy will act as expert consultant. **MATHEX BUYS**
Next Tuesday, November 14, is your last chance to sign up for the Pusan Contest to be held on December 2. All undergraduates are eligible to enter; the sign-up list is on the second floor of Stann. If you are not sure whether or not you want to participate, sign up anyway; you will still have the option of changing your mind.

**GO CLASS**
A class in the game of go is to be held weekly on Fridays at 4 p.m. in the YWCA lounge.

**INTERESTED IN EUROPE?**
Literature on overseas summer jobs and travel opportunities is available in the Tech office.

**MATH CLUB TONIGHT**
The Caltech Math Club will meet in the lounge on the third floor of Stann at 7:30 p.m. tonight to elect officers and to discuss the Putnam Exam. Anyone interested in joining the Math Club is invited.

**NO PARKING HERE PLEASE**
sign was removed from the ROTC parking area about three weeks ago. The sign is of a heavy pedestrian type with black lettering on a white disk at the top. It would be greatly appreciated if anyone knowing about it will call Majer Larkin, X2991.

**Meetings Kick Off Research Project**

The Coordinating Committee for the Undergraduate Research Project has met twice this semester, and at the meeting on December 4, and made a good start towards a successful project. The goals of the project and the purpose of the committee were discussed at the first meeting, and the next year's project was set up. No consensus could be reached as to the specific goals of the project, but the committee agreed that the program should be highly flexible. The committee members decided that the next meeting of the committee was not to directly manage the project but to give it direction and see that it progressed. Marcia Hunt, of Pitzer College, provided a general policy statement for the project.

**Caltech Student Project is an experiment in redefining the American "student" into a vital member of society.**
By attacking a problem of national scope through areas of social, technical, economic, and psychological study and application, the project will call attention to the needs of the student and to the problems of L.A. County as well as the actual problems of air pollution.

**Researching Schedule**
The timetable set up by the committee makes clear the need for speed. This is especially the case during the next four weeks. Proposals, describing the approaches to the problems and their structure and operations, are to be submitted to the faculty committee. This project must be completed and an initial grant obtained to realize the potential of the technician program, which will provide and train many of the lab workers, must be described in detail. Contact must be made with interest groups in the L.A. area. National releases must be made; the project must be given widespread publicity. In general, also, this will be necessary to create a "sizable package." All of this must be completed in four weeks, so the Funding Committee can apply for grants for the second quarter before the December deadline.

The committee hopes that concrete preparations can be made this quarter. The project will begin during that period. The committee is planning a national conference including both public liaison and research associates.
Letters

Pot Watchers Awake!

Editors:

Since the use of drugs at Caltech has been a topic of semi­
open discussion for a number of years, it is not surprising that the
problem has become a bit more public. This past summer, the use of
drugs by Caltech students has come to public attention.

Drugs are a serious problem today. John Kenneth Galbraith has pointed out in The New


drug wars. But presuming that not many people in power have


"Science for Mankind"

"This is the moment in human history when for the first
time man has gained the scientific knowledge to shape his des­
tiny — and shop it well."

"With the above statement and its implied hope, Caltech officials are spending its $55 million dollar drive this past week. Last night Governor Ronald Reagan gave the keynote address at a dinner sponsored by the Board of Trustees to herald the drive. Over 850 dignitaries attended.

The goal of "Science for Mankind," the name of the Cal­
tech drive, is indeed laudable. But is it attainable? We would like to believe that man can solve his problems, but history has not shown this to be the case. We certainly have been living in an un­
paralleled age; now a conqueror can destroy the world if he so desires. But presuming that not many people in power have

drugs by Caltech students has


"If you don't say anything, I'll pull a couple of weeks


Ohio Tech

Much Amuch About Muck

by Jim Cooper

Frosh Edward D. Barrenmaker of the Incinerator Staff: Dave Lewin, Roger Goodman,


California Tech

Universal Service Proposed

by Walter Grant

Collegeiate Press Service

WASHINGTON (CPS) — A small­scale "national service" program could be started in the next few years, if support comes from the right quarters.

Such a program would give young people the opportunity to serve their country in non­mili­
tary endeavors and would meet educational and manpower needs. Interested young people would be matched with service opportunities consistent with both the needs of the nation and their own education and skills.

The concept of universal na­
tional service has been widely discussed in recent years. But although the idea has been sup­ported by Secretary of Defense Robert McNamara, it has never received widespread support, primarily because of the conflict with the draft.

But a non­profit organi­
cation called the National Serv­

icemen have often warpered their personal lives be­

Failing war, man has shown little ability to shorten the
gap between the rich nations and poor nations. Science and

tecohistory, besides leaving most of the people of the world in the
dust, have created numerous secondary problems of their own. Pollution is just one example of such problems.

As John Kenneth Galbraith has pointed out in The New


...more responsible, more real·


"Ah, yes," said the editor.

"By the way, Barrenmaker," he added, as you hung up the phone last week.

"There were several little things caught on tape, Barrelmaker; chief." "Yes, I understand." "Chief?"

"Yes, Barrelmaker?"

"I just thought of two more reasons why you couldn't have gotten so little re­

response last week."

"What do you mean?"

"Either it could be that no one read the paper in the first place, or that no one took it seriously anyway."

"Hmm," said the editor. "I never thought of that first."

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California Tech

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The concept of universal national service has been widely discussed in recent years. But although the idea has been supported by Secretary of Defense Robert McNamara, it has never received widespread support, primarily because of the conflict with the draft.

But a non-profit organization called the National Service Secretariat is seeking support for a national service program which would be as far removed from the Army Reserve Selective Service System as possible. The secretariat is funded, not by the government.

Donald Eberly, executive di­rector of the secretariat, said that his organization is attempting to set up a network of nonprofit organizations (like those which would work some­what like a computer dating system). For instance, young people interested in working for something worthwhile would fill out a questionnaire.

The service agency would then match interested persons with other service agencies that would fill out questionnaires about themselves. The computer, in turn would match each individual service agency with its own list of people interested in the same type of work. The computer would proceed to fill out service contracts, set up training programs, and see that the service agencies were properly staffed.

The ultimate objective of the program would be to create a pool of young people interested in serving their country, and to provide a system of service which would be better suited to the needs of the nation.

The program would be supported by a variety of sources, including private foundations and individual contributions.

In effect it would be an "ex­

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Credibility Gap a Problem

Editors:

I fail to see the reasoning behind the deliberate printing of false stories in the Nov. 9 issue of the Tech. If the purpose of doing this was to provoke people that believes everything they read in a newspaper, then I think that the editors have gone to extremes to make a point.

When I read a newspaper story stating facts and quoting people, I expect such statements to be accurate, based on investigation by the reporter. The reporter has taken the time to investigate, through channels that he has free and easy access to. Other people do not have such access, and thus must rely on the reporter's investigation. Admittedly, the facts are probably colored by the personal biases of the reporter, but this does not mean that the facts are untrue.

Once is not going to get the complete facts from a single publication, but then again from where else is one going to get facts about on-campus happenings without going to the original news source.

Mr. Fishbone wanted to provoke people into investigating primary news sources. I consider a newspaper a primary source. If further information is wanted or needed, then more original sources can be looked into. In the case in point, few people would know that the stories were falsified, and fewer would require more information than was presented in the articles. In spite of this, Mr. Fishbone can best be credited for his genuine interest in further research, and I don't think this stunt has promoted any interest.

Jon R. Haviland

A newspaper is not a primary source; indeed, the only way to be a primary observer is to use one's own eyes and ears. Nobody can witness everything, but he should be very aware that news often goes through numerous bureaucratic agencies before reaching the pages of a paper. Ideally, one can rely on every human; practically this is not so. At the risk of losing some of the credibility we normally try to maintain, we should attempt to show the consequences of non critical reading.

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Service Act Possible

(Continued from page 2)

Eberly said.

The program would be universal in the sense of providing service opportunities for all young people, men and women, regardless of their financial status or educational background.

Eberly explained that, traditionally, the volunteer service agencies have attracted only middle-class and upper-class people because they are the only ones who can afford the

"21-year-old who had to support his family would be given a family allowance to send back home," Eberly said. "This way everybody would have the same opportunity."

Although the secretariat wants to dissociate the program with the draft, Eberly admits this is almost impossible. "As long as the draft exists, it will affect the number of people interested in the program," he said.

After the program gets off the ground, Eberly would like to see legislation passed which would defer volunteers while they are in the non-military service. Their deferments would end after they completed their service, but "they should be given recognition for what they have done," Eberly said.

He proposes that draft boards place former government service volunteers later in the order of call, so that in effect, they would only be drafted in an emergency.

Eberly does not think young people would use the program as an escape from the draft, however. "In the first place, the

Letters

Beautify, Modernize, Area

Editors:

The aspirations of the under-graduate body to come into the community in some larger and more lasting way seem entirely laudable; however they would be a lamentable parody if the program selected were of such a grandiloquent or complex nature as to preclude any significant student contribution in the existing and Knowledge. World Food Resources or Smog are examples of such a program of commitment in the national service program could extend over a longer period of time than in the military service, perhaps two and a half years or three years. And volunteers would still stand the chance of being drafted, he said.

In addition to recognition by the Selective Service system, the secretariat is recommending that volunteers be given academic and financial recognition for their service, to be applied against their further education.

of this. While one is aware that much time and thought has gone into the selection of a suitable topic, that the debate has been extensive and heated, and that the site has already been cast, one would like (in the true academic spirit of espousing lost causes) to make a few comments on what seem eminently attainable and realistic projects for the student body.

Two suggestions are made. Both of them involve many different sorts of knowledge and thus fall into the currently fashionable framework described (with painful pedantry) as "inter-disciplinary," for which the author would like to substitute the less pretentious but equally hip description of "mixed bag." A solitary experiment in this vein is closely to examine a Mixed Bag of Nuts. It will be found that while each is distinctly different, they are all of strikingly lower quality than those offered as a single variety. The first proposal is connected principally with the Life/Earth Sciences, the other with the Math/Engineering side. However both contain strong common technological elements, as well as a major socio-political-economic strain.

Rivera Arroyo

Running North-south through Pasadena is a pleasant de$civity known as the Arroyo Seco. This draw, about 2 miles long, is productively wooded and contains many public amenities: Brookside Golf Course, the Devil's Gate Reservoir, the Rose Bowl (a football stadium), parks, an arborety range and a casting pool. In its pleasant groves the citizens of Pasadena pursue their various interests of Walking,Dasportation, picnicking, mugging, touch football, and relaxing. It is spanned by various bridges which add considerably to the picturesque urban ambience.

Dominating the Arroyo is a singularly painful illustration of

(Continued on page 5)
Y.R. Minority Assesses Dove Stand on Vietnam

by Brad Holian
The Vietnamese War: Minority Opinion of the Caltech Young Republiceans

The American people have a right to be concerned about the direction we are going in Vietnam and to attempt to avoid conflicts which call for less than total commitments. American involvement in Vietnam has been based on the belief that we can win the war or else get out, rather than get involved in a stage where we will merely explain to our offspring that we were of men and money. We prefer to continue to pursue our political and economic pursuits, and problems, rather than accept the Machiavellian attitude of the United States that the effectiveness and usefulness of war as an instrument of national expression. In view of the utter misery that wars cause and the universal human desire for peace and freedom, the American isolationist attitude toward involvement in wars is far healthier than the militaristic view of war as the natural tool of diplomacy. The attitude (apparently held by a few people now in power in this country, who feel that war is man's in-crievable, natural condition, is repugnant to most Americans. Over the years, the American people are concerned with the very real credibility gap between the Johnson Administration's pronouncements on the war and reports from other sources, including the American press. Americans are opposed to this country's conduct of the war (they appear to be in the majority as present) and the seemingly hopeless frustration of the institutionalization of war in this country. This fact suggests, the American people, and even Congress, have little to say about the war or the draft, until 1968, primarily because of the concentration and perpetuation of power in the executive branch of the federal government. For these reasons, we see today a growing discontent and discomfort concerning America's role in the Vietnam War. We are faced with the following facts concerning this distasteful war: 1) It is primarily a guerilla war, based on a nationalistic revolutionary movement, since Western domination in that area. As a guerilla movement, the Vietnamese war involves a significant portion of the South Vietnamese population, and the movement can be quelled only by completely destroying that elusive segment of the population, that is, the Vietcong, or by destroying all means of external support first - in other words, by invading and occupying North Vietnam, thereby inviting direct confrontation with the Soviet Union and Red China. 2) The South Vietnamese people are no longer carrying the burden of their own freedom. America is doing most of the fighting, as reflected in the casualty lists; and America is doing most of the so-called pacification, as reflected in the economic support of South Vietnam. Neither Red China nor Russia are involved in manpower commitment in North Vietnam. It must be remembered that the truth in Vietnam is that it is not the Viet Cong who seek to carve a new nation, free of external domination. It is not the North Vietnamese who have the moral justification for destroying old lines or laws given by Abraham Lincoln, who said, "And people anywhere being inclined and having the power have the right to rise up and shake off the existing government, and form a new one that suits them better." It is the people of the South who are attempting to do this.

The truth in Vietnam is that there is both aggression from the North and civil conflict in the South, both strong anti-Communist feeling and a weary lack of affection for much of the present anti-Communist leadership, both nationalistic and Communism motivating Vietnamese from both sides of the 17th parallel. The United States presence is the result of deliberate, judicial decisions made over the course of years with careful consideration of the consequences for Vietnam, the rest of Asia, and the United States. Certainly, the results of some of those earlier decisions could not have been foreseen, however much we can see clearly the results of the basic chown that face us today. We must, however, as in the past, choose the best of what may be unattractive chores.

It is clear that without the United States intervention in South Vietnam, Asia today would (Continued on page 8)

YR's State Majority Policy
by Kermit Kubis
Vietnam: The Majority Report of the Caltech Young Republicans

It would be delusion to insist that the war in the two Vietnams is the result of clear-cut aggression by one sovereign government against another, a war which can be ended by military annihilation of the opposition, either by pitched battle in the North and forceful evacuation from the North. It is equally untenable to suggest that the United States has intervened in a purely civil conflict, and that realigning the war should cause us to immediately initiate unilateral removal of our commitment to the puppet government of South Vietnam and the peaceful solution of our problems directed against North Vietnam.

It might be argued that however we got into Vietnam, we must now continue on the course to which we are committed. But it may be worthwhile to note that 900,000 Vietnamese left the North during the period after the Geneva Accords of 1954. It is their right, and the right of others of similar persuasion in the South, to form a new government different from that which they have shown they dislike. It is that right which we are defending.
NOVEMBER 21:

That's when the Mercrep Representative will be on campus.

He has important information for you—like what it means to work for a leader in growth and in research investment. The material benefits you receive. The satisfaction you'll get, knowing your work contributes to a better life for people all over the world. Worth considering, isn't it?

Merc is hiring from many disciplines, at many degree levels. Check with your placement service for specific career information.

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Go Bus, and Leave the Driving to Us

(Continued from page 3)

the art of the city civil engineer—a rectangular concrete chambr about 10 by 30 feet in cross-section, rimmed around by a chain link fence and containing a tur- need shallow stream punctuated by occasional automobile tires. How greatly this would add to the whole valley. It if were con- verted into a pleasant urban river with stream life, banks, a towpath and possibly a riparian restaurant?

This conversion would call for damming the channel at some point, with suitable arrange- ments for the occasional winter floods. Possibly this could be done by dividing the channel laterally and covering over one half with a boardwalk towpath to provide a covered closed flood control ditch. The permanently flowing part would then be stocked with a surly bottom (fowl) and what ever riparian foli- age is necessary to create a viable ecology.

This project would interest meteorologists, geologists and statisticians, in predicting how to design a system to handle the vagaries of the Pasadena rainfall and water tables. Then the civil engineers would enter at the de- sign level, while the bio-scientists would concern themselves with the life side of the project. Obvi- ously a strong aesthetic super- vision would have to be main- tained throughout.

Quickrutsch Pasadena

The fact that Pasadena has no effective intramural transportation has long been a political bull- after with its relatively com- pact community, central business district and rectangular grid of gracious boulevards it would seem to be ideal for a modern minibus system. A study of this would involve all the usual arenas of public demand, en- trenched interest and conserva- tive small town politics. It seems that radical improvements in scheduling, routing and operation might make a modern system economically feasible. For ex- ample, advanced applications of gaging theory and optimal routing might make it possible to give a rather wide area cover- age with a low expected waiting time at any stop. Computer di- rected buses are another interest- ing prospect — usually the vehicle follows a zigzag route into the city center but bypasses each if no one on that loop has pressed a call button at the stop. Here is a wealth of in- terest in system analysis, pro- gramming control and communi- cation; obviously we could get away from the rigid space-time scheduled schedule, and develop some dynamic adaptive scheduling. A further class of fascinating econo- mics and labor problems occur in the financing and costing of such a system. Engineering occurs in the design of the system which must satisfy critical require- ments of maintenance and flexi- bility but at very modest road speeds. Could one design self- powered units which would be used individually on certain runs but coupled (thus eliminating a driver or two) for peak times and routes? Cleary we can't consider a design which is scaled up but would have to adapt available chassis and engine units. The styling of the vehicle would be an interesting study in industrial design — it must be sufficiently planel to make housing psycholo- gically acceptable, with multiple exits for rapid loading and dis- embarking and possibly converti- ble tops for the summer months.

The pair of ideas given above are in the nature of 2 year pro- jects — they are possible, they do not involve any major tech- nical breakthroughs but do call for radical rethinking of old pre- conceptions. The science is well within the reach of our under- grads; the new ideas appear to be beyond the ken of our politi- cians. This is why they seem particularly suitable to our pur- poses.

As far as support goes both have the Great Society Charms which would attract the interest an financial aid of Fed- eral Agencies (especially hous- ing and Urban Development) as well as the progressive and flexi- ble Aerospace Industry of the L. This would make it possible to always and diversify.

There are no projects which can be done, but to be worth it they should be done with excel- lence; and thus anyone with the grit to enter into the Cult myteck.

Peter Lissaman

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Safety

Ole's 4-4-2. Three bucket-seat models: Holiday Coupe, Sports Coupe, Convertible.

Engine

Type .... Rocket V-8
Bore x stroke, inches .... 3.87 x 4.25
Displacement, cubic inches .... 400
Compression ratio .... 10.5-to-1
Torque, lb.-ft .... 440 at 3200 rpm
Overall height, in. .... 52.8
Overall length .... 201.6
Fuel capacity (gal.) .... 20
Legroom (Holiday Coupe) .... front 42.7", rear 53.0"
Tire size .... F70x14"-Nylon-Cord
Overall width, in. .... 770.14"
Overall width, in. .... 770.14"-Nylon-Cord
Wheels .... 14x4"-Wide-Outer Red-Line
Powertrain

Chassis and Body

Suspension .... Heavy-duty, includes heavy-duty springs and shocks, front and rear stabilizers. Dual exhausts.
Steering ratio .... 24-to-1
Tires .... 770.14", Nylon-Cord-Wide, Red-Line

Other Options


Gears

Wheelbase .... 112"
Overall length .... 201.6"
Overall width .... 76.3"
Overall height .... 52.8"
Curb wt. (Ib.) .... Holiday Coupe .... 3628
Fuel capacity (gal.) .... 20
Headroom (Holiday Coupe) .... from 37.6" to 36.3"
Legroom (Holiday Coupe) .... from 42.7" to 32.7"
Hiproom (Holiday Coupe) .... from 59.5" to 58.0"
Tread .... from 59.0", rear 59.0"

And all the new GM safety features are standard on 4-4-2, including energy-absorbing steering column.

---

Organ Now Operative In Winnett

After several months of inac- tivity, the electronic organ is now installed and operational in Winnett Lounge. The instrument, a Baldwin Model 10, was donated by a wealthy benefactor after having been in his home for sev- eral years.

The setup includes a set of earphones, which may be used in place of the regular speaker system when other activities are in progress in the vicinity. In addition, an electric chime set may be operated from the lower keyboards if desired.

Present plans foresee a key system, similar to the gasworks key system, whereby keyholders may open the organ whenever they desire. Everybody will have a key should see Louise Hood.

The earphones are presently available only during the day when the Winnett Office is open; however, the instrument itself is now open all day.

From:

Peter Lissaman

CAhLJORNIA TECH
Page Five

The facts of life.

Olds 4-4-2. Three bucket-seat models: Holiday Coupe, Sports Coupe, Convertible.

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TYPING
Experienced Typist
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Drive a '68 'Youngmobile' from Oldsmobile
Coach Preisler Shows Optimism

"We're going to do better this year; we're hoping to win twice as many games," declared coach Ed Preisler as his Caltech Beavers basketball squad mustered to begin hard practice.

"Our team captain this year will be Terry Brun, who was voted onto the honorable mention squad of the all-conference last season. He was also elected for the District 3 honorable mention team," Preisler said.

Looking ahead to the Southern California Intercollegiate Athletic Association season, Preisler said he expects last year's champion — Claremont-Harvey Mudd — to have a strong team, but looks for Whittier College to have the best one.

Assessing the new Caltech squad, Preisler said that "Brun should have a good season. He was our leading scorer last year, with an average of more than 17 points per game. Jim Stanley's normally a guard, but like last year, I may have to use him at forward." The basketball season opens December 1 for Caltech with a game against Southern California College at La Mirada. Preisler said his squad will play ten league games and 13 non-league contests this season. The last game of the season is February 21 at Whittier.

Defeat Beavers Bulldogs, Poets

Crusaders and Medeans and Monomias cross country at Tech is undergoing a year of growth. Saturday, October 28, the Crusaders were almost shut out by Redlands home course. The score, 15-16, reflects Tartuff's fine effort in placing ahead of two of the Redlands top seven. Ledford and Smith followed, finishing at commendable ninth and eleventh places against the second strongest team in the league. Stoecker and Kernyma managed to finish the race, somehow. The defeat was a sound one, comparable to last year's dual meet with Redlands, when Mason and Cross placed ahead of only two of the Redlands top seven.

Last Friday the Beaver runners lost another dual meet against Whittier on the Whittier home course, scoring 38 points to Whittier's 19 points. (High score loss.) The contest saw Tartuff finish fifth in 22:42, with Ledford, Smith, and Schneiders finishing very close together, in the low twenty minute range, taking places 68. Stoecker rooted out Torrence in a torrid finish run, finishing 68. These times were quite slow, considering the 3.16-mile course. There is hope that our distance men will improve before the lifeline Invitational this December 12. Stoecker and Redlands' top seven. The drive culminated when Burton sprinted over from eleven yards out. The second drive followed the same pattern with the backs grinding out yardage on the ground. Again Burton availed the TD on a two-yard sneak. Burton converted on both PTP's to score all of Caltech's decisive points.

The coaches were so impressed by the performance that the entire offensive team (excluding flanker Charlie Creasy) placed in the Offensive Player of the Week honor.

But the defender's performance gave the Beavers the momentum for encouragement. After a shaky first half, the Tech defense really held down Tech, allowing UC Riverside a joke tally in the second half. Up front the big men were John Franzini and Dick Harley at the ends, C. Alun Beagle and Dennis Porecky at tackle, and David Ditton at middle.

Dick Thornberry and Gary Adamson stood out at their line-backing posts. (Thornberry was Defensive Linebacker of the Week.) The deep secondary included Mike Giraud and Creasy at the cornerback spots and Ronnie Martin and Tom Hinkle at the safeties. Girard took the Defensive Back of the Week honors. If the offense continues to click and the defense gels, the Beavers could consider a respectable sixth in their last two outings of the 1967 season. Both remaining games are home contests. Tech hosts the Loyola (L.A.) Lions tomorrow night (Friday) at 7:30 in the Rose Bowl. The Lions are testing their first football team in nine years.

Then a week from tomorrow, the Chievres-Harvey Muddies will visit the Beavers for their annual grudge match in an after-noon contest at the Caltech Athletic Field.

Is there a best glass for beer?

With some beers maybe the glass doesn't matter. But when the beer is Budweiser, our brewmaster holds strong views.

"I like a glass with plenty of room," he says. "Size is more important than shape. A big glass, say one that'll hold a full bottle, is best."

A big glass gives Budweiser a chance to show off...lets you pour it straight down the middle to get a full collar of foam. (Those tiny bubbles are the only beer bubbles in America that come from the natural carbonation of Beechwood Ageing.) Another thing about a big glass: it lets you quaff the beer. And who wants to sip, when the beer tastes as hearty as Budweiser?

That's about the size of it! Choose any kind of glass you want...as long as it's big enough. (Of course, we have our own opinion on the best beer for the glass.)

Budweiser...
...best reason in the world to drink beer

Discobolus

Dubney House finally fell in Discobolus competition. Page bowed the Beavers in two straight matches against Occidental and Redlands, 5-2 and 10-6. Lloyd House, being next in the rotation, has made two matches and has challenged Page in football, handball, and softball. Page has accepted in softball and the game will be played this Sunday.

In point standings Dubney still is in the top with thirteen points; Page is second with three.

A big win for Dubney House was the visit to Whittier's for their first football team in nineteen years.
What we want is what we have. Do you know what we want or does anyone? With these ideas in mind, Murray Shigali's two mundane characters in the campus comedy "The Typeists," effectively criticized the banality of the J. Alfred Prufrock type of life. The satire, accompanied by another campus comedy, "The Tiger," was performed by the Players Production Co., Inc., at Beckman Auditorium, Saturday evening. This company has been chartered by the state of California to bring high quality theater to colleges, high schools, and communities. In this effort it has succeeded.

The two typeists in the comedy, played by Mary Carver and Stuart Margolin, portrayed a situation that could occur in any two-bit office of any two-bit firm in New York City. Paul (Margolin), an alcoholic, has just been hired and shows up late on his first day. Sylvia, his office-mate, is no less of a failure than Paul, especially regarding marriage.

During the course of the show, one working day, the two, doomed to a job of no consequence, one that could be done far more easily by a machine, get very little work done. They spend their time alternately confounding and deriding each other. At times the mood approaches that of a group therapy session.

Their lives are controlled by a boss we never see. At times he is an angel, and at times he is a devil, yet his influence is always there; it is as if God is running a puppet show. Indeed, who is to say He is not?

At the ICE HOUSE ($) FOLK MUSIC and COMEDY
Two Locations
Twice the Music
Double the Fun
Two Locations

FOLK MUSIC with Bob Lind
The KNACK
Starts Nov. 14:
Thru Nov. 12:
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GLENDALE
24 N. Mentor
PASADENA
24 N. Mentor
Arcadia
MI-2-9942
THIRTY BOYDERS
With Mattie Krol, Al,
Irish Rovers
TED THE KNOCK
THE SECOND HELPING
GUNN CLEARMAN

Two Locations

At the ICE HOUSE ($) FOLK MUSIC and COMEDY
Two Locations
Twice the Music
Double the Fun

How can you be assured of a job of no consequence and at the same time be involved in serious penalties and infractions of ordinary law, if you are contemplating a career in aerospace, your next ten years are critical ones. The exposure you get at Convair will provide you with the tools which you can use as a consultant to some of the major projects, the caliber of your associates, the quality and availability of educational institutions in the immediate area, and the recognition you get for your contributions will count heavily toward building your reputation and your income.

At Convair you will find management sensitive to the importance of your personal development and you will find opportunities to advance both your professional and your personal on-campus experience. This is the conclusion of the Student Bill of Rights, drafted by the American Association of University Professors and several other educational oriented groups. The first installment was printed in last week's issue.—Eds.

A. Standards of Conduct Expected of Students

The institution has an obligation to clarify those standards of behavior which it considers essential to its educational mission and its community life. These general behavioral expectations and the resultant specific regulations should represent a reasonable regulation of student conduct but the student should be as free as possible from imposed limitations that have no direct relevance to his education. Offenses should be as clearly defined as possible and interpreted in a manner consistent with the aforementioned principles of relevancy and reasonableness. Disciplinary procedures and rules for violations of standards of conduct formulated with significant participation of students and faculty members, or adhering to a .hearing before a regularly constituted hearing committee. The following suggested hearing committee procedures satisfy the requirements of the due process in situations requiring a high degree of formality:

1. The hearing committee should include faculty members, students, or, if regularly employed, be designated by the accused, both faculty and student members. No member of the hearing committee should be otherwise interested in the particular case and should sit in judgment during the proceeding.

2. The student should be informed, in writing, of the reasons for the proposed disciplinary action with sufficient particularity, and in sufficient time, to assure opportunity to prepare for the hearing.

3. The student appearing before the hearing committee should have the right to be assisted in his defense by an advisor of his choice.

4. The burden of proof should rest upon the officials bringing the charge.

5. The student should be given an opportunity to testify and to present evidence and witnesses. He should have an opportunity to hear and question adverse witnesses. In no case should the committee consider statements against him unless he has been advised of their content and of the right to cross-examine those who made them, and unless he has been given an opportunity to rebut unfavorable inferences which might otherwise be drawn.

6. All matters upon which the decision may be based must be introduced into evidence at the proceeding before the hearing committee. The decision should be based solely upon each matter. Improperly acquired evidence should not be admitted.

7. In the absence of a transcript, there should be a tape recording, such as a tape recording, of the hear-

8. The decision of the hearing committee should be final, subject only to the student's right of appeal to the President or ultimately to the governing board of the institution.

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Bridge Quiz

Since many Teckers enjoying playing Bridge, this week we are including one of a class of difficult problems. The first correct solution sent to Kirk Benson in Llloyd will receive a $1 prize.

House Decibel Levels

(Continued from page 1)

North
S-883
H-6
D-8632
C-865

West
S-K96
H-47
D-794
CQ94

South played at 3 NT; West led the spade six; East won the ace and returned the four. West won the jack, and cashed the king, on all which followed. West then cashed the thirteen space. After this, declarer took 3 tricks.

"Nicely played," said West to declarer. "There was nothing we could do, was there, partner?" "Well, yes," said East. "If at the fourth trick, you had played any card but the thirteen space, we would have set them one trick." Assuming that East was correct, what was South's exact hand?

G.O.P. Hawks Continue

(Continued from page 4)

For the future, it must always be remembered that the divisive area of our interest in Vietnam is in the south. It is there that our political and military effort must be concentrated. Here lies what could be a critical error that may be made by the Johnson administration if a present trend continues. We must differentiate between raising the cost of aggression and trying to "win" by "defeating" Hanoi. This is primarily a political struggle, and to attempt such a "victory" would risk war with China and the Soviet Union and engage us in a struggle for which we have no taste or need — a contest for the future of North Vietnam.

So, amid social revolution within the United States, and criticism from many areas of the world which have neither the responsibility for causing nor power for changing the consequences of United States actions in Vietnam, we can only hope that our continuing policy will be to support the attempts of any people to form a government that suits them, and to defend the interests of all such governments, both newly-established and aged with conflict, both near and far.

Engineering: Mathematicians

you should consider a career with NSA

... if you are stimulated by the prospect of undertaking truly significant assignments in your field, working in its most advanced regions.

... if you are attracted by the opportunity to contribute directly and importantly to the security of our nation.

... if you want to share facilities and equipment, including one of the world's foremost computer and data processing installations, in your quest for a stimulating and satisfying career.

The National Security Agency is responsible for designing and developing "security" communications systems and EDP installations, in your quest for a stimulating and satisfying career. The National Security Agency is responsible for designing and developing "security" communications systems and EDP installations, in your quest for a stimulating and satisfying career.

The mission encompasses many aspects of telecommunications, computer (hardware and software) technology, and information recording and storage ... and provides a wealth of career opportunities to the graduate engineer and mathematician.

ENGINEERS will find work which is performed nowhere else ... and systems are constantly being developed which are in advance of any outside the Agency. As an Agency engineer, you will carry out research, design, development, testing and evaluation of sophisticated, large-scale cryptographic communications and EDP systems. You may also participate in related studies of electromagnetic propagation, upper atmosphere phenomena, and solid state devices using the latest equipment for advanced research within NSA's fully instrumented laboratories.

MATHEMATICIANS define, formulate and solve complex communications-related problems. Statistics, matrix algebra, and combinatorial analysis are but a few of the tools applied by Agency mathematicians. Opportunities for contributions in computer sciences and theoretical research are also offered.

Continuing your Education?

NSA's graduate study program may permit you to pursue two semesters of full-time graduate study at full salary. Nearly all academic costs are borne by NSA, whose proximity to several universities is an additional asset.

Salaries and Benefits

Starting salaries, depending on education and experience, range from $8,000 to $13,500, and increases follow as you assume additional responsibility. Policies relating to vacations, insurance and retirement are liberal, and you enjoy the advantages of Federal employment without Civil Service certification.

Another benefit is the NSA location, between Washington and Baltimore, which permits your choice of city, suburban or country living and allows easy access to the Chesapeake Bay, ocean beaches, and other summer and winter recreation areas.

Program Dates:

Check with the Placement Office now to arrange an interview with NSA representatives on campus. The Placement Office has additional information about NSA, or you may write to: Chief, College Relations Branch, National Security Agency, Ft. George G. Meade, Maryland 20355, ATTN: 1211. An equal opportunity employer, M/F.

national security agency

... where imagination is the essential qualification

C A L I F O R N I A T E C H  

Page Eight  Thursday, November 9, 1967